

STRAND COATING DEVICE AND METHOD

Abstract

[0070] Continuous void-free uniform coatings are formed on filamentous articles by applying a voided or otherwise substantially uneven coating to at least some of the exposed portion of a filamentous article or to a rotating substrate. The filamentous article or substrate is passed through an improvement station containing a plurality of coating-wetted rolls that contact and re-contact the wet coating at different positions along the length of the filamentous article or rotating substrate, wherein the periods of the rolls improve the uniformity of the coating. For coatings applied to a rotating substrate, the uniform wet coating is transferred to the filamentous article. The final coating can be very thin, very uniform and completely or substantially void-free. The coating improvement can be quickly and easily obtained using low cost equipment.